

Liquid Manure.

The New England Farmer gives this answer to a correspondent who inquires as to the best method of applying liquid manure on a farm: "The best method of saving and using liquid manure we have ever seen in practice is that adopted by Dr. Jabez Fisher, of Fitchburg, Mass. His stable, in which is kept a cow and a horse, is at quite a distance from the dwelling house, a field of several acres lying between. The field has a gentle slope, the stable being at the lower side and the residence at the upper. The wastes of the house, together with the rain falling upon the roof of the barn, are carried into the barn basement, which is made water tight by coats of cement on bottom and sides. Once or twice a year the liquid is pumped out and distributed over the field from a water cart with sprinkler attached. The cart is filled from a chain pump in the barn floor and the outlet to the sprinkler is made just large enough to allow the cart to be emptied in going once across the field up the slope. Many who attempt to use liquid manure fail from using it in too concentrated a form. It can hardly be used too weak, except for the cost of hauling so much water. Dr. Fisher keeps his field continually in grass and gets heavy crops of excellent hay."

"Mr. Henry Grew, of Hyde Park, Mass., has applied liquid manure successfully to orchard trees, by pumping it from a cistern in the lowest part of the barn cellar and distributing it under the trees through a faucet in a large cask set upon wheels. Under exceptional conditions liquid manuring may be made to pay if the liquid is judiciously applied, but from the fact that, although the system has long been recommended, especially by foreign agricultural societies, it has not come into general use in this country, it is evident that it is not very well adapted to the needs of our American cultivators. It will not pay to use it on large farms, or where the fields to be manured are at a distance from the source of supply. It cannot pay to haul pure water far for agricultural purposes, and liquid manure must be very largely composed of pure water. Solid horse manure will absorb all the urine made by the animal, and the same is partially true of the solid manure of other animals. Fresh manure, if properly housed, will part with much of its moisture by evaporating, without waste of the valuable elements, thus saving the expense of hauling the surplus water. Our practice has been, and our advice is to use sufficient bedding material for farm stock to keep the animal's clean and comfortable. It may be straw, damaged hay, sawdust or dry peat, loam or sand. These will absorb the liquid, and will hold the valuable portions, even though much of the water is evaporated by exposure to the air, or by gentle fermentation. In localities where grain is abundant, straw is one of the best and cheapest substances for absorbing the stable liquids. It is often spread thickly over the cattle yards, and in some cases pumps are set in the lowest part for pumping the drainage over the top, thus aiding the evaporation of the water and the decomposition of the straw."

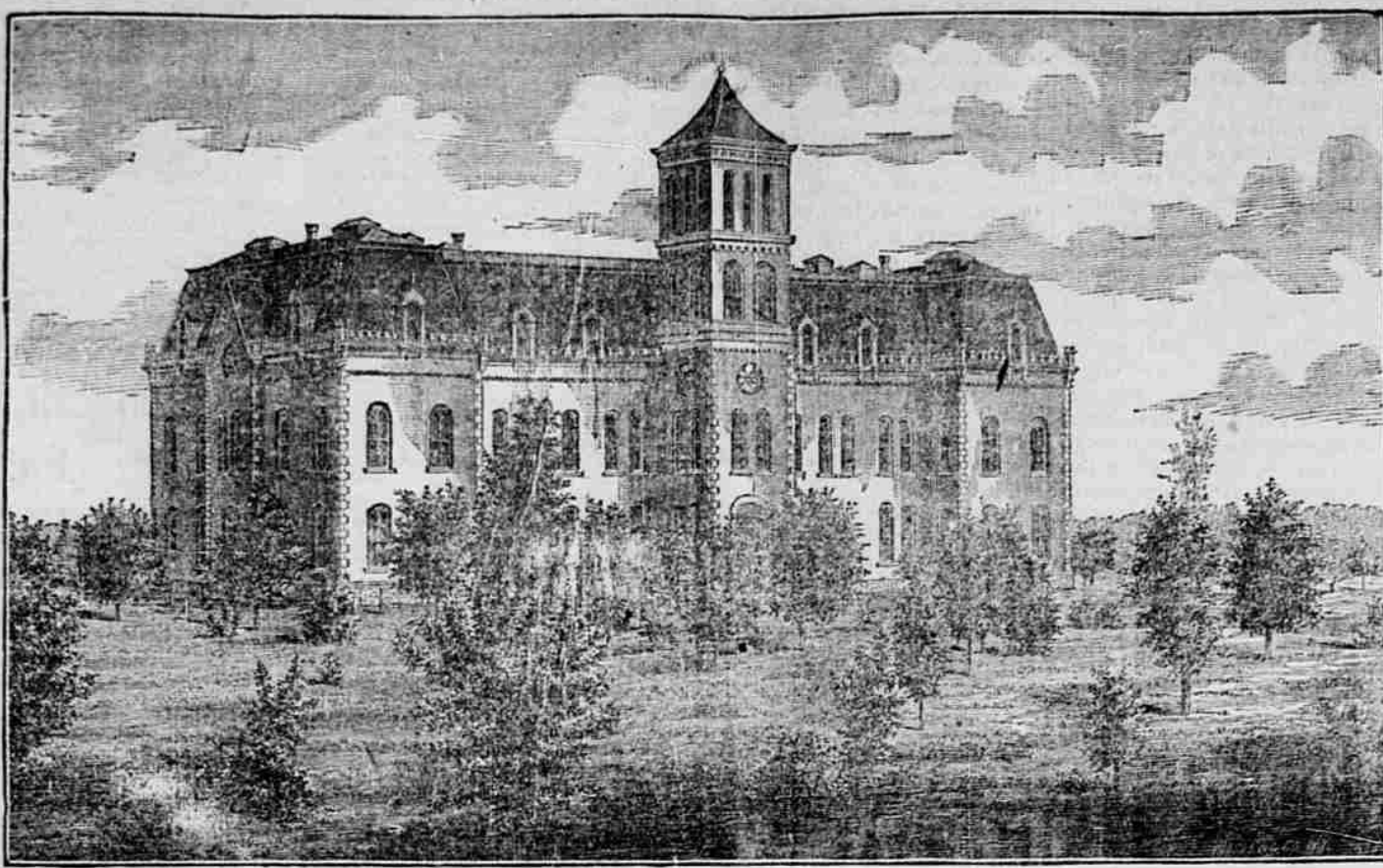
Cleanings.

Low places filled with stagnant water during the summer, are breeders of fevers and other complaints. When these places cannot be easily drained or filled up, plant native osiers, willows or whatever can be had that thrives in wet places. Trees act in two ways to correct the ill effects almost sure to arise from stagnant water. The roots of most water trees grow rapidly, and the pond will soon fill up with them. The trees also act as pumps. Water is evaporated from the surfaces of leaves. In many or most cases, the plant exhales its own weight of moisture in twenty-four hours in the growing season.

It is a certainty that raising poultry for egg production pays the farmer. As a general thing the fowls that the farmer keeps in his barnyard, and on which he expends but little, pay best of all his live stock; but when attention is paid especially to fowls properly fed, housed and attended, after deducting the cost of keeping, care, interest per cent, from the amount for which the eggs sell, there is in nine cases out of ten, a larger balance on the credit side of the ledger than is found in connection with any single department of farm industry.

A writer in a popular health journal extols the merits of butter milk as a beverage, saying that it cleanses the human system from the refuse matters which are so apt to clog it. Butter milk is also a remedy for indigestion, a quietener of the nerves and a sleep inducer to those who are troubled with wakefulness at night. In churning, the first process of digestion is gone through, buttermilk being therefore one of the easiest and quickest things to digest. Every one who values good health should

The Missouri State Normal School.

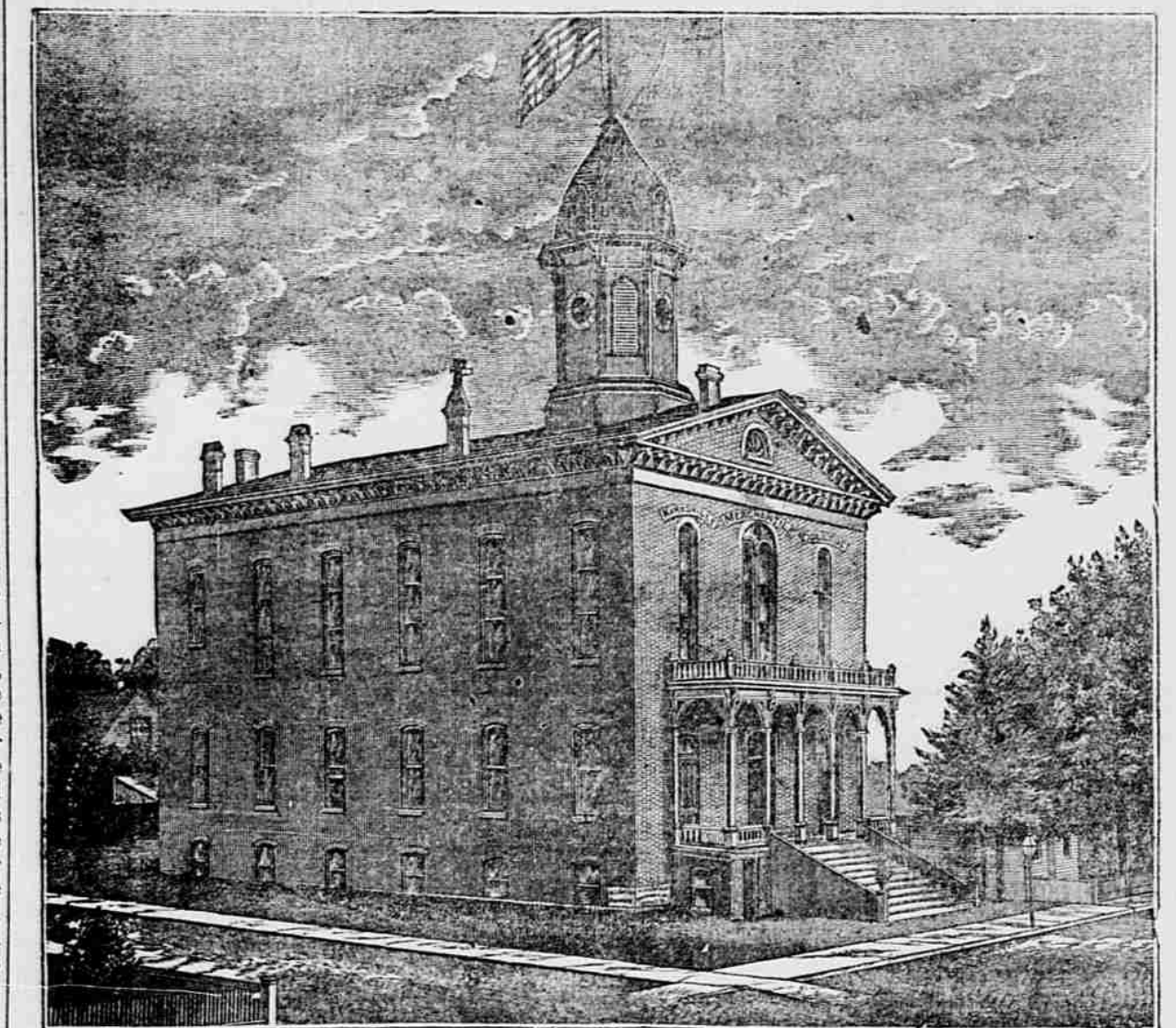


KIRKSVILLE, Mo.,

FIRST DISTRICT,

Twenty-first School year began Tuesday, September 6th. New students should be present on Thursday proceeding. Faculty consists of eleven members—Specialists in their respective departments. Total enrollment of students last year, 322; representing 46 counties in Missouri and 7 States. Sixty graduates last year—25 in advanced and 35 in elementary course. STATES CERTIFICATES issued to those prepared to teach. Fifty Recitations per day. Students can enter at any time and always find classes to suit them. Come at beginning of term if possible. Graduates of High Schools, Academies, Seminaries and Colleges, and Teachers, admitted without examination, and, if found worthy of them, will be credited with the grades they have made. Total expenses for term of 20 weeks, including board, lights, fuel and tuition, from \$10 to \$20. Send for Catalogue containing full particulars. Address: STATE NORMAL SCHOOL, Kirksville, Mo.

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This institution was organized with the high purpose of training its students to do well the work that the world will actually demand at their hands. That its mission is being fulfilled is evidenced by the increased enthusiasm and attendance of students, by the superior character of the work done, by the successful careers of its graduates, and by the growing favor with which business men regard the college. The course of study includes book-keeping, business practice, penmanship, letter writing, business forms and customs, spelling, commercial law and arithmetic.

For terms Address,

W. J. SMITH, PROP., Kirksville, Mo.

drink buttermilk every day in warm weather, and let tea and coffee alone.

When hogs have the run of a field, it is rarely the case that they will get so feverish as to be foundered all over, but they will often get quite stiff. The corn should be mixed with bran or oats, and only half of the bulk of the food should be of the corn or carbonaceous sort. Such fevered pork is not the thing to eat. When hogs are fed all the corn meal they will eat, one third of it is wasted.

The Massachusetts Ploughman says the best way to save liquid manure is to provide absorbents in the barn cellar. Excellent absorbents are dry meadow muck, or dry sand or loam; these can be used in bedding. Sawdust is highly recommended, but while it is a good absorbent it is not valuable for its fertilizing quality. The liquid manure is considered as one half in fertilizing value to the manure of the animal.

Brace Up.

You are feeling depressed, your appetite is poor, you are bothered with Headaches, you are fidgety, nervous, and generally out of sorts, and want to brace up. Brace up, but not with stimulants, spring medicines, or bitters, which have for their basis very cheap, bad whiskey, and which stimulate you for an hour, and leave you in worse condition than before. What you want is an alterative that will purify your blood, start healthy action of Liver and Kidneys, restore your vitality, and give renewed health and strength, such a medicine you will find in Electric Bitters, and only 50 cents a bottle at J. G. Jamison's Drug Store.

They can conquer who believe they can.

Ten wagon loads of emigrants passed through town Saturday en route to Nebraska, to homestead lands. We asked one of the men why he didn't locate in Missouri and were answered as follows: "Over at Barry, Ill., they told us Missouri was a God forsaken country and her people were not more than half civilized; that her lands were worthless and unproductive." "Did you find Missouri as the Illinoisans represented it?" we asked. "No; not by any means. We came in through Ralls county, and during our travels never saw finer lands or better crops, and besides, nobody could desire to be treated better than we have been in Missouri. Back in Illinois the farmers would compel us to pay 30 cents a bushel for oats and, coming from Hannibal here, we were supplied at 18 cents per bushel. I am glad Missouri is not the cut-throat state she is represented to be, but, on the other hand, is far ahead of the other western states. The only reason I can give for the abuse that is heaped upon Missouri is that her neighbors are jealous of her, and from appearances, believe they have reason to be."—Monroe News.

SOMETHING DREADFUL.

Of all the diseases known to the human race Kidney disease is one of the most unpleasant. Dull aching pains in the back, making it unpleasant to work; at night you cannot rest. These troubles can be alleviated by taking a bottle of Holland Kidney and Liver Regulator. Sold by the popular Druggist J. G. Jamison.

Never be idle, for work prevents poverty.

Everybody can detect an error, but not a lie.

Narrow minded people have no a thought beyond the little sphere of their own vision.

Tutt's Pills

SAVES MONEY.
One box of these pills will save many dollars in doctor's bills. They are specially prepared as a Family Medicine, and supplies a want long felt. They remove unhealthy accumulations from the body, without nausea or griping. Adapted to young and old. Price, 25c. SOLD EVERYWHERE.

Oh Yes.

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Nothing will so increase and strengthen the virtues as practice and experience in them.

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for Infants and Children.

"Castoria is so well adapted to children that I recommend it as superior to any prescription known to me." H. A. Archer, M.D., 111 So. Oxford St., Brooklyn, N. Y.

Castoria cures Colic, Constipation, Sour Stomach, Diarrhoea, Eructation, Kills Worms, gives sleep, and promotes digestion. Without injurious medication.

THE CASTORIA COMPANY, 122 Fulton Street, N. Y.

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Probably no one thing has caused such a general revival of trade at J. G. Jamison's Drug Store as their giving away to their customers of so many trial bottles of Dr. King's New Discovery for Consumption. Their trade is simply enormous in this very valuable article from the fact that it always cures and never disappoints. Coughs, Colds, Asthma, Brachitis, Croup, and all throat and lung disease quickly cured. You can test it before buying by getting a trial bottle free, large size \$1. Every bottle warranted.

Miss ALLIE LINK and Nettie Smith returned from Canton Friday evening.

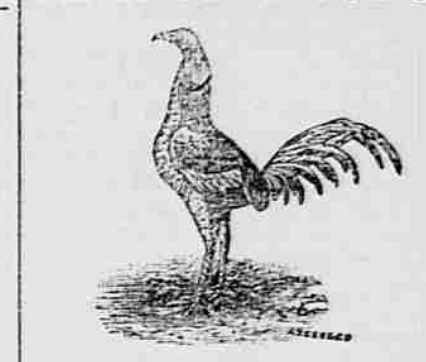
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We are now prepared to furnish all classes with employment at home, the whole of the time, or for their spare moments. Business new, light and profitable. Persons of either sex easily earn from 50 cents to \$5.00 per evening and a proportional sum by devoting all the time to the business. Boys and girls earn nearly as much as men. That all who see this may send their address, and test the business, we make this offer. To such as are not well satisfied we will send one dollar to pay for the trouble of writing; full particulars an outfit free. Address: GEORGE STRONG & Co. Main.

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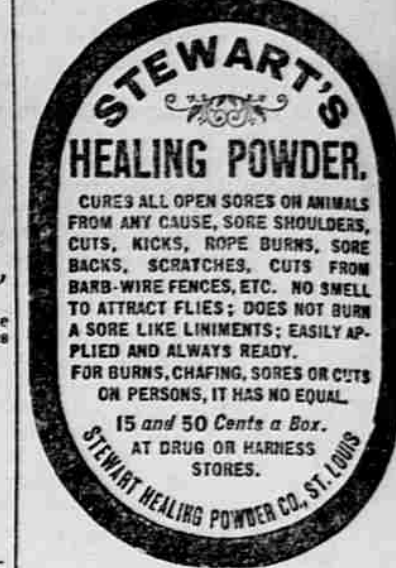


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THIS GOOD OLD STAND-BY accomplishes for everybody exactly what is claimed for it. One of the reasons for the great popularity of the Mustang Liniment is found in its universal applicability. Everybody needs such a medicine. The Lumberman needs it in case of accident. The Housewife needs it for general family use. The Candler needs it for his team and his son. The Mechanic needs it always on his work bench. The Miner needs it in case of emergency. The Pleasure needs it—can't get along without it. The Farmer needs it in his house, his stable, and his stock yard. The Steamboat man or the Boatman needs it in liberal supply aboard and ashore. The Horse-fancier needs it—it is his best friend and sure reliance. The Stock-grower needs it—it will save him thousands of dollars and a world of trouble. The Railroad man needs it and will need it so long as his life is a round of accidents and dangers. The Backwoodsman needs it. There is nothing like it as an antidote for the dangers to life, limb and comfort which surround the pioneer. The Merchant needs it about his store among his employees. Accidents will happen, and when these come the Mustang Liniment is wanted at once. Keep a Bottle in the House. 'Tis the best of economy. Keep a Bottle in the Factory. Its immediate use in case of accident saves pain and loss of work. Keep a Bottle Always in the Stable for use when wanted.

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